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84: 110612t High-strength, extrusion-molded, lightweight calcium silicate product. Otoma, Takashi; Kubota, Kazuo; Yamada, Toshio (Nippon Asbestos Co., Ltd.) Japan. Kokai 75 95,319 (Cl. B28B), 29 Jul 1975, Appl. 73 143,931, 26 Dec 1973; 3 pp. A mixt. of calcareous and siliceous materials is mixed with a slurry of a hydrothermally synthesized Ca silicate [23296-15-3]. The resulting slurry is dewatered to adjust its water content to 50-120%, based on the total solids content, extruded, autoclaved, and dried to obtain high-strength Ca silicate products useful as building materials. Thus, Ca silicate hydrothermally synthesized from powd. siliceous stone 52 and milk of lime 1100 parts was dispersed in 15-fold water, and the slurry 30 parts (as solids content) was mixed with a mixt. of powd. siliceous stone 15, portland cement 35, bentonite 10, amosite asbestos 5, and methylcellulose 0.2 part. The mixt. was dewatered to water content 80-90% (based on the solids content), extruded, autoclaved at steam pressure 9 kg/cm² for 7 hr, and dried to obtain a lightwt. silicate product having d. 0.75 g/cm² and bending strength 80 kg/cm². Its shrinkage was 1.12% when heated at 1000°.